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U.S. Docket No.: 2312/2085B (formerly 1440.1027-005)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Raghuram Kalluri	Examiner: J. Roark
Serial No.: 09/543,371	
Filed: April 4, 2000	Group Art Unit: 1644
Entitled: Anti-Angiogenic Proteins and Fragments and Methods of Use Thereof	Conf. No.: 6148

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10**

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Joyce C. Hersh, Ph.D.

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**TRANSMITTAL OF FORMAL DRAWINGS**

In response to the Office Action mailed on March 12, 2002 in the above-referenced patent application, enclosed please find formal drawings of Figures 18A and 18B on two separate sheets.

Acceptance of the formal drawings is respectfully requested.

Respectfully submitted,

Date: September 11, 2002

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Docket/App No.: 1440.1027-005

Title: Anti-Angiogenic Proteins and Fragments and Methods of Use Thereof

Inventors: Raghuram Kalluri

# FIG. 18A

pET22b(+) forward primer:

5'-CGGGAT CCA GGT TTG AAA GGA AAA CGT-3' (SEQ ID NO:11)

pET22b(+) reverse primer:

5'-CCCAAGCTT TCA GTG TCT TTT CTT CAT-3' (SEQ ID NO:12)

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      5      10      15      20      25      30      35      40      45
cca ggt ttg aaa gga aaa cgt gga gac agt gga tca cct gca acc
      50      55      60      65      70      75      80      85      90
tgg aca acg aga ggc ttt gtc ttc acc cga cac agt caa acc aca
      95     100     105     110     115     120     125     130     135
gca att cct tca tgt cca gag ggg aca gtg cca ctc tac agt ggg
     140     145     150     155     160     165     170     175     180
ttt tct ttt ctt ttt gta caa gga aat caa cga gcc cac gga caa
     185     190     195     200     205     210     215     220     225
gac ctt gga act ctt ggc agc tgc ctg cag cga ttt acc aca atg
     230     235     240     245     250     255     260     265     270
cca ttc tta ttc tgc aat gtc aat gat gta tgt aat ttt gca tct
     275     280     285     290     295     300     305     310     315
cga aat gat tat tca tac tgg ctg tca aca cca gct ctg atg cca
     320     325     330     335     340     345     350     355     360
atg aac atg gct ccc att act ggc aga gcc ctt gag cct tat ata
     365     370     375     380     385     390     395     400     405
agc aga tgc act gtt tgt gaa ggt cct gcg atc gcc ata gcc gtt
     410     415     420     425     430     435     440     445     450
cac agc caa acc act gac att cct cca tgt cct cac ggc tgg att
     455     460     465     470     475     480     485     490     495
tct ctc tgg aaa gga ttt tca ttc atc atg ttc aca agt gca ggt
     500     505     510     515     520     525     530     535     540
tct gag ggc acc ggg caa gca ctg gcc tcc cct ggc tcc tgc ctg
     545     550     555     560     565     570     575     580     585
gaa gaa ttc cga gcc agc cca ttt cta gaa tgt cat gga aga gga
     590     595     600     605     610     615     620     625     630
acg tgc aac tac tat tca aat tcc tac agt ttc tgg ctg gct tca
     635     640     645     650     655     660     665     670     675
tta aac cca gaa aga atg ttc aga aag cct att cca tca act gtg
     680     685     690     695     700     705     710     715     720
aaa gct ggg gaa tta gaa aaa ata ata agt cgc tgt cag gtg tgc
     725     730     735
atg aag aaa aga cac tga (SEQ ID NO:9)

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pET22b- $\alpha$ 3(IV) NC1 = nucleotides 4 through 735

Tumstatin 333 = nucleotides 4 through 375

Tumstatin 334 - nucleotide 376 through 735

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Docket/App No.: 1440.1027-005

Title: Anti-Angiogenic Proteins and Fragments and Methods of Use Thereof

Inventors: Raghuram Kalluri

## FIG. 18B

\*  
5 10 15 20 25 30 35 40 45  
PGL KGK RGD SGS PAT WTT RGF VFT RHS QTT AIP SCP EGT VPL YSG  
50 55 60 65 70 75 80 85 90  
FSF LFV QGN QRA HGQ DLG TLG SCL QRF TTM PFL FCN VND VCN FAS  
95 100 105 110 115 120 125 130 135  
RND YSY WLS TPA LMP MNM API TGR ALE PYI SRC TVC EGP AIA IAV  
140 145 150 155 160 165 170 175 180  
HSQ TTD IPP CPH GWI SLW KGF SFI MFT SAG SEG TGQ ALA SPG SCL  
185 190 195 200 205 210 215 220 225  
EEF RAS PFL ECH GRG TCN YYS NSY SFW LAS LNP ERM FRK PIP STV  
230 235 240 245  
KAG ELE KII SRC QVC MKK RH (SEQ ID NO:10)

pET22b  $\alpha$ 3(IV) NC1 = residues 2 through 245

Tumstatin 333 = residues 2 through 125

Tumstatin 334 = residues 126 through 245